

Flexible PVC Strips

Product Description

High-performance PVC strip curtains for industrial and commercial environments

PVC (polyvinyl chloride) is one of the oldest and most commonly used plastics offering a wide range of different qualities and end uses. Granulates of PVC compound are obtained by blending PVC resin, plasticizers and specific additives to combine flexibility and longevity. Granules are extruded and formed into strips and sheets with an extensive range of finished dimensions. Flexible PVC offers the best economic ratio between sound insulation, heat protection and investment.

Typical Uses

Soft PVC Strips & Sheets are ideal for use in: industrial flexible doors; partitions; protective screens; machine covers; tanks; basins; galleries; furnishing protection etc.

Specific Properties

The addition of special additives offer specific properties to flexible PVC for particular applications. Details on each type can be found on our website www.polycote.com.

- Cold resistant
- Reinforced sheets
- UV & IR filters
- Anti-static
- Perfumed
- Freeze resistant
- Ribbed or flat strips
- High fire resistance
- Anti-insect
- High UV resistance

Available in a wide range of clear coloured, PVC with a choice of opacity.

General Properties

- | | | | |
|-----------------------|--------------------|---------------------|-----------------------|
| SAFETY | ECONOMIC | EFFICIENT | RESISTANT |
| • Supple and flexible | • Energy efficient | • Thermal insulator | • Impact and tearing |
| • Easy to clean | • Longevity | • Fast operating | • Fire resistant |
| • Transparent | • Cost effective | • Sound reduction | • Chemical aggression |
| • Non toxic | • Recyclable | • Water & air tight | • UV resistant |

Product Specifications

Standard Dimensions: Strip Rolls (50m)										
Width (mm)	200			300			400			
Thickness (mm)	2	3	4	2	3	4	2	2.5	3	4

PROPERTY	Standard	Unit	Standard Clear	Ribbed	CSG	CSG Ribbed	CSG Extreme	Food Grade
Light transmittance	ASTM D1003	%	85	85	85	85	85	85
Shore A hardness	EN ISO 868	Sh A	80	80	65	65	62	80
Tearing resistance	DIN 53515	N/mm	50	50	28	28	25	50
Tensile strength at break	ASTM D 638 EN ISO 527	N/mm ²	16	16	12	12	10	16
Elongation at break		%	340	340	390	390	420	340
Residual elong. (after break)		%	68	68	76	76	80	68
Thermal conductivity	ASTM C 177	W/m.K	0,16	0,16	0,16	0,16	0,16	0,16
Cold bend brittle temp.	ISO 8570	°C	-35	-35	-40	-40	-65	-35
Min. usage temp.	EN 1876	°C	-15	-15	-25	-25	-60	-15
Max usage temp.		°C	+50	+50	+30	+30	+15	+50
Vicat softening temp.	EN ISO 306	°C	50	50	48	48	46	50
Specific heat capacity	ISO 11357	kJ/kg.K	1,6	1,6	1,6	1,6	1,6	1,6
Sound reduction	DIN 52210	dB	>35	>35	>35	>35	>35	>35
Fire retardance	EN 13501-1:2007	Class	-	-	-	-	-	-
UV/IR filter	EN 1598 & ISO 25980	-	-	-	-	-	-	-
UV resistance	ISO 4892	-	Yes	Yes	Yes	Yes	Yes	Yes
Surface resistivity	ASTM D257	.10 ¹⁰ Ω/□	30	30	3	3	3	30
Water absorption	EN ISO 62	%	-0,2	-0,2	-0,2	-0,2	-0,2	-0,2
Anti-insect	-	-	No	No	No	No	No	No
Density	ASTM D792	g/cm ³	1,22	1,22	1,18	1,18	1,18	1,22

Product Specifications
(cont)

PROPERTY	Standard	Unit	Flystopper	Anti UV	Fire Retardant	Solid Colour	Tinted	Anti Insect	Anti Static
Light transmittance	ASTM D1003	%	85	85	85	0 to 80	0 to 80	85	85
Shore A hardness	EN ISO 868	Sh A	80	80	80	65 to 85	65 to 85	80	80
Tearing resistance	DIN 53515	N/mm	50	50	65	28 to 65	28 to 65	50	50
Tensile strength at break	ASTM D 638 EN ISO 527	N/mm²	16	16	20	12 to 20	12 to 20	16	16
Elongation at break		%	340	340	280	280 to 390	280 to 390	340	340
Residual elong. (after break)		%	68	68	60	60 to 76	60 to 76	68	68
Thermal conductivity	ASTM C 177	W/m.K	0,16	0,16	0,16	0,16	0,16	0,16	0,16
Cold bend brittle temp.	ISO 8570	°C	-35	-35	-20	-20 to -40	-20 to -40	-35	-35
Min. usage temp.	EN 1876	°C	-15	-15	0	-15 to -25	-15 to -25	-15	-15
Max usage temp.		°C	+50	+50	+50	+30 to +50	+30 to +50	+50	+50
Vicat softening temp.	EN ISO 306	°C	50	50	50	48 to 50	48 to 50	50	50
Specific heat capacity	ISO 11357	kJ/kg.K	1,6	1,6	1,6	1,6	1,6	1,6	1,6
Sound reduction	DIN 52210	dB	>35	>35	>35	>35	>35	>35	>35
Fire retardance	EN 13501-1:2007	Class	-	-	C-s3, d0 B-s3, d0	-	-	-	-
UV/IR filter	EN 1598 & ISO 25980	-	-	-	-	-	-	-	-
UV resistance	ISO 4892	-	Yes	High	Yes	Yes	Yes	Yes	Yes
Surface resistivity	ASTM D257	.10 ¹⁰ Ω/□	30	30	30	30	30	30	3
Water absorption	EN ISO 62	%	-0,2	-0,2	-0,2	-0,2	-0,2	-0,2	1 to 1,6
Anti-insect	-	-	Yes	No	No	No	No	Yes	No
Density	ASTM D792	g/cm³	1,22	1,22	1,30	1,2 to 1,5	1,2 to 1,5	1,22	1,22

PVC Pre-cut Strip sizes

- 200mm x 2mm x 2.1m - Clear
- 200mm x 2mm x 2.5m - Clear
- 200mm x 2mm x 3.1m - Clear
- 300mm x 3mm x 2.5m - Clear
- 300mm x 3mm x 3.1m - Clear
- 300mm x 3mm x 3.7m - Clear
- 300mm x 3mm x 3.9m - Clear
- 300mm x 3mm x 4.5m - Clear
- 400mm x 4mm x 3.1m - Clear
- 400mm x 4mm x 3.7m - Clear

Pre-cut strips come with plate sets pre-attached (hanging rails not included).
If we do not offer your desired length, our PVC Strips can be quickly and easily be cut to fit on site using a suitable cutting tool.

Health & Safety

Before using this product, please ensure you have received and read carefully both the Hazard Label applied to the container and the relevant Material Safety Data Sheets.

Any Questions

Please do not hesitate to contact us for advice regarding the use of this product or its suitability for your particular application.
Our aim is to provide all the technical help you need to make an informed choice and achieve total success.
Polycote Technical Helpline: **01234 846400**

All reasonable care has been taken in supplying the above information. However, any figures quoted do not constitute a specification but represent typical values obtained. It is the customer's responsibility to ensure the product is fit for the intended purpose and that conditions are suitable. Any technical advice is offered in good faith, but without warranty. This is also applicable when proprietary rights and third parties are involved. In the light of the Company's policy of continual research and development, it is the customer's responsibility to ensure that the information contained herein has not been superseded.